

What is claimed is:

1. A method for recording graphic/subtitle data on a recording medium, comprising the steps of:

receiving video data and additional data including

5 graphic data and/or subtitle data; and

recording the additional data on the recording medium by dividing and organizing the additional data in such a way that the additional data is included in a plurality of regions that will be overlaid on a video image constructed from the video

10 data.

2. The method set forth in claim 1, wherein the graphic data and subtitle data are organized into distinct regions.

3. The method set forth in claim 1, wherein the plurality of regions do not overlap with each other on the video image.

15 4. The method set forth in claim 1, wherein each of the plurality of regions includes at least one object.

5. The method set forth in claim 4, wherein the object is text, an icon, an image, or a background box.

20 6. A method for recording graphic/subtitle data on a recording medium, comprising the steps of:

receiving video data and additional data including graphic data and/or subtitle data; and

recording the additional data as a plurality of individual streams on the recording medium.

25 7. The method set forth in claim 6, wherein the number of the plurality of streams is the same as the number of graphic decoders contained in a reproducing apparatus.

8. The method set forth in claim 6, wherein parts of the

additional data that should be simultaneously decoded are placed in distinct streams.

9. A high-density recording medium having video data and additional data including graphic data and/or subtitle data,
5 wherein the additional data is divided and organized in such a way that the additional data is included in a plurality of regions that will be overlaid on a video image constructed from the video data.

10. The high-density recording medium set forth in claim
10 9, wherein the graphic data and subtitle data are organized into distinct regions.

11. A high-density recording medium having video data and additional data including graphic data and/or subtitle data,
wherein the additional data is recorded as a plurality of
15 individual streams.

12. The high-density recording medium set forth in claim
11, wherein parts of the additional data that should be simultaneously decoded are placed in distinct streams.

13. An apparatus for recording graphic/subtitle data on a
20 recording medium, comprising:

first means for receiving video data and additional data including graphic data and/or subtitle data;

second means for dividing and organizing the additional data in such a way that the additional data is included in a
25 plurality of regions that will be overlaid on a video image constructed from the video data; and

third means for recording the additional data and the video data on the recording medium.

14. The apparatus set forth in claim 13, wherein the second means places the graphic data and subtitle data in distinct regions.

15. An apparatus for recording graphic/subtitle data on a recording medium, comprising:

first means for receiving video data and additional data including graphic data and/or subtitle data;

second means for organizing the additional data as a plurality of individual streams; and

10 third means for recording the additional data and the video data on the recording medium.

16. The apparatus set forth in claim 15, wherein the number of streams organized by the second means is the same as the number of graphic decoders included in the apparatus.

15 17. The apparatus set forth in claim 15, wherein the second means places parts of the additional data that should be simultaneously decoded in distinct streams.

18. A method for reproducing a recording medium, comprising the steps of:

20 reproducing video data and additional data including graphic data and/or subtitle data recorded on the recording medium;

decoding the reproduced video data to construct a main plane and decoding the additional data to construct a plurality of planes including presentation regions; and

constructing a video image by mixing the main plane with the plurality of planes and outputting the constructed video image.

19. The method set forth in claim 18, wherein the plurality of planes include a subtitle plane and a graphic plane.

20. The method set forth in claim 19, wherein the subtitle plane includes decoded graphic data as well as decoded subtitle data.

21. An apparatus for reproducing a recording medium, comprising:

first means for reproducing video data and additional data including graphic data and/or subtitle data recorded on the recording medium;

second means for decoding the reproduced video data to construct a main plane and decoding the additional data to construct a plurality of planes including presentation regions; and

third means for constructing a video image by mixing the main plane with the plurality of planes and outputting the constructed video image.

22. The apparatus set forth in claim 21, wherein the second means organizes the additional data into a subtitle plane and a graphic plane.

23. The apparatus set forth in claim 22, wherein the second means organizes the subtitle plane such that the subtitle plane includes decoded graphic data as well as decoded subtitle data.